MIST SOW TASK 162
Title: PACE Thermal Analysis Engineering Support

Statement of Work

Item	Description	Applicable Contract Function
1	**Thermal Design and Analysis**	**Support Services**

Performance Requirements	Delivery Schedule:
Update/develop the observatory/spacecraft/components thermal model as the design evolves and details are provided using Thermal Desktop modeling software. Size radiators and determine heater power requirements for all spacecraft components. Incorporate instrument reduced thermal models as provided. Incorporate spacecraft component thermal models when provided. Develop detailed thermal models of spacecraft components as necessary, particularly propulsion and tilt platform components. Create comprehensive spreadsheets summarizing post-processed thermal analysis results including temperature tables, temperature plots, and heater power tables using TARP thermal software. Prepare analysis reports as necessary	12 Month(s)

Item	Description	Applicable Contract Function
2	**Support Meetings and Reviews**	**Support Services**

Performance Requirements	Delivery Schedule:
Support weekly meetings as required. Support the Thermal Peer Review, Spacecraft, and Mission Critical Design Reviews. Develop presentation material as necessary to support the above reviews. Support component level thermal vacuum testing as necessary. Support meetings and reviews at vendor locations including travel to vendor sites as necessary.	3 Month(s)